



PATENT
ATTORNEY DOCKET NO.: 052833-5004-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Leonid GRIGORIAN, *et al.*

Application No.: 09/825,870

Filed: April 5, 2001

For: CHEMICAL VAPOR DEPOSITION GROWTH
OF SINGLE-WALL CARBON NANOTUBES

Group Art Unit: 1754

Examiner: P. Lish

Commissioner for Patents
Washington, D.C. 20231

Sir:

AMENDMENT AND RESPONSE TO OFFICE ACTION

In response to the non-final Office Action dated August 15, 2002, Applicants request reconsideration of this application in view of the following amendment and remarks. A petition for a one-month extension of time and an authorization to charge Applicants' account \$110.00 to cover the extension-of-time fee accompany this response.

AMENDMENT

Please amend claims 1, 5, 6, 9, 10 and 13-16 as follows:

1. (amended) A chemical vapor deposition process for the preparation of a single-wall carbon nanotube, comprising:

providing a methane gas composition and a supported iron-containing catalyst to a chemical vapor deposition chamber, and

decomposing the methane gas composition in the presence of the supported iron-containing catalyst, under a sufficient gas pressure and for a time sufficient, to grow single-wall carbon nanotubes at a temperature from about 670° C to about 800° C.

5. (amended) A process of claim 4, wherein the supported iron-containing catalyst is